

**AMENDMENTS TO THE CLAIMS**

*The listing of claims will replace all prior versions and listings of claims in the application:*

**Listing of Claims:**

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Currently Amended) The host board system of claim 4, wherein a host board system comprising:

a host board at least partially positioned within a housing having a set of openings, the host board including a set of connectors;

each opening in the set of openings being aligned with at least two connectors from the set of connectors;

said each opening configured to accept two modules of a first form factor so that each module of the first form factor is electrically coupled to one of the at least two connectors;

said each opening further configured to accept a single module of a second form factor so that the single module of the second form factor is electrically coupled to a first connector of the at least two connectors; and

a set of inserts, each insert from said set of inserts configured to plug at least a portion of an opening from the set of openings;

wherein each module of the first form factor and each module of the second form factor includes a flange, said flange extending around a perimeter of a respective module and abutting an insert from the set of inserts when said respective module is electrically coupled to a connector from said set of connectors.

10. **(Currently Amended)** ~~The host board system of claim 1, wherein~~A host board system comprising:

a host board at least partially positioned within a housing having a set of openings, the host board including a set of connectors;

each opening in the set of openings being aligned with at least two connectors from the set of connectors;

said each opening configured to accept two modules of a first form factor so that each module of the first form factor is electrically coupled to one of the at least two connectors; and

said each opening further configured to accept a single module of a second form factor so that the single module of the second form factor is electrically coupled to a first connector of the at least two connectors;

wherein the housing comprises in part a bezel, the set of openings being distributed across said bezel.

11. **(Original)** The host board system of claim 10, wherein the bezel is fastened to the host board.

12. **(Currently Amended)** ~~The host board system of claim 1, further comprising:~~A host board system comprising:

a host board at least partially positioned within a housing having a set of openings, the host board including a set of connectors;

each opening in the set of openings being aligned with at least two connectors from the set of connectors;

said each opening configured to accept two modules of a first form factor so that each module of the first form factor is electrically coupled to one of the at least two connectors;

said each opening further configured to accept a single module of a second form factor so that the single module of the second form factor is electrically coupled to a first connector of the at least two connectors;

a set of slots on the host board, each slot from the set of slots corresponding to a connector from the set of connectors and configured to maintain an electric coupling between a module and a connector from the set of connectors;

said each slot configured to accommodate a guide rail included on modules of the first form factor, said modules of the first form factor having a single guide rail; and

adjacent slots from the set of slots configured to accommodate a pair of guide rails included on modules of the second form factor, said modules of the second form factor having a single pair of guide rails.

13. **(Original)** The host board system of claim 12, wherein

said each slot includes a means for securing a guide rail included on a module within said each slot.

14. **(Canceled)**

15. **(Canceled)**

16. **(Canceled)**

17. **(Canceled)**

18. **(Canceled)**

19. **(Canceled)**

20. **(Canceled)**

21. **(Currently Amended)** The host board system of claim 16, wherein A host board system comprising

a host board at least partially positioned within a housing having a set of openings, the host board including a set of connectors;

each opening from the set of openings being aligned with a plurality of connectors from the set of connectors;

said each opening from the set of openings configured to simultaneously accommodate one or more of a plurality of modules, said plurality of modules including modules with a first form factor and modules with a second form factor;

the modules with the first form factor each electrically interfacing a respective connector of said plurality of connectors aligned with a respective opening from the set of openings;

the modules with the second form factor each electrically interfacing a respective first connector from said plurality of connectors aligned with the respective opening from the set of openings; and

a set of inserts, each insert from said set of inserts configured to plug at least a portion of an opening from the set of openings;

wherein each module with the first form factor and each module with the second form factor includes a flange, said flange extending around a perimeter of a respective module and abutting an insert from the set of inserts when said respective module is electrically coupled to a connector from said set of connectors.

22. **(Currently Amended)** The host board system of claim 14, whereinA host board system comprising

a host board at least partially positioned within a housing having a set of openings, the host board including a set of connectors;

each opening from the set of openings being aligned with a plurality of connectors from the set of connectors;

said each opening from the set of openings configured to simultaneously accommodate one or more of a plurality of modules, said plurality of modules including modules with a first form factor and modules with a second form factor;

the modules with the first form factor each electrically interfacing a respective connector of said plurality of connectors aligned with a respective opening from the set of openings; and

the modules with the second form factor each electrically interfacing a respective first connector from said plurality of connectors aligned with the respective opening from the set of openings;

wherein the housing comprises in part a bezel, the set of openings being distributed across said bezel.

23. **(Original)** The host board system of claim 22, wherein the bezel is fastened to the host board.

24. **(Currently Amended)** The host board system of claim 14, further comprising A host board system comprising

a host board at least partially positioned within a housing having a set of openings, the host board including a set of connectors;

each opening from the set of openings being aligned with a plurality of connectors from the set of connectors;

said each opening from the set of openings configured to simultaneously accommodate one or more of a plurality of modules, said plurality of modules including modules with a first form factor and modules with a second form factor;

the modules with the first form factor each electrically interfacing a respective connector of said plurality of connectors aligned with a respective opening from the set of openings;

the modules with the second form factor each electrically interfacing a respective first connector from said plurality of connectors aligned with the respective opening from the set of openings;

a set of slots on the host board, each slot from the set of slots corresponding to a connector from the set of connectors and configured to maintain an electric coupling between a module and a connector from the set of connectors;

said each slot configured to accommodate a guide rail included on modules with the first form factor, said modules with the first form factor having a single guide rail; and

adjacent slots from the set of slots configured to accommodate a pair of guide rails included on modules with the second form factor, said modules with the second form factor having a single pair of guide rails.

25. **(Original)** The host board system of claim 24, wherein said each slot includes a means for securing a guide rail included on a module within said each slot.

26. **(Previously Presented)** A host board system comprising a host board, said host board including a set of connectors mounted on said host board and a set of slots defined in the host board;

each slot from the set of slots open to an edge of the host board;

the set of connectors positioned with respect to the set of slots such that a module with a first form factor slidingly engages with a slot from the set of slots so as to electrically couple with a corresponding connector from the set of connectors; and

the set of connectors also positioned with respect to the set of slots such that a module with a second form factor simultaneously slides into adjacent slots so as to electrically couple with a first corresponding connector from the set of connectors.

27. **(Original)** The host board system of claim 26, wherein the module with the second form factor when slidingly engaged with adjacent slots mechanically couples with a second corresponding connector from the set of connectors.

28. **(Previously Presented)** The host board system of claim 26, wherein the set of connectors are evenly spaced apart so that each connector from the set of connectors can simultaneously accommodate modules with the first form factor.
29. **(Original)** The host board system of claim 26, wherein the set of slots are evenly spaced apart so that each slot from the set of slots can simultaneously accommodate modules with the first form factor.
30. **(Original)** The host board system of claim 26, wherein said each slot from the set of slots has a central axis along which a module travels while when slidingly engaged with a slot from the set of slots, said central axis superposes a central axis of a corresponding connector.
31. **(Original)** The host board system of claim 26, wherein the module with the first form factor comprises a single width transceiver.
32. **(Original)** The host board system of claim 26, wherein the module with the second form factor comprises a double width transceiver.
33. **(Original)** The host board system of claim 26, wherein each module includes a guide rail, said each slot from the set of slots being sized to accommodate the guide rail such that said guide rail is the portion of a module slidingly engaged with and in contact with a respective slot.
34. **(Original)** The host board system of claim 33, wherein said each slot includes a means for securing the guide rail included within said each slot.
35. **(Original)** The host board system of claim 26, further comprising

a rigid body of uniform thickness, a surface of said rigid body abutting the edge of the host board; and

the surface including an array of openings, each opening from the array of openings sized to accommodate one or more modules.

36. **(Original)** The host board system of claim 35, further comprising an insert configured to cover an opening from the array of openings, said insert forming a seal with said rigid body when said insert is inserted into said opening from the array of openings.

37. **(Original)** The host board system of claim 35, further comprising an insert configured to cover a portion of an opening from the array of openings, said insert forming a seal with said rigid body when said insert is inserted into said opening from the array of openings.

38. **(Original)** The host board system of claim 37, wherein the insert is further configured to accommodate a single module with the first form factor, said insert and said module with the first form factor forming a seal when said module with the first form factor is electrically coupled with a corresponding connector from the set of connectors.

39. **(Original)** The host board system of claim 37, wherein the insert is further configured to accommodate two modules with the first form factor, said insert and said modules with the first form factor forming two seals when said modules with the first form factor are electrically coupled with corresponding connectors from the set of connectors.

40. **(Original)** The host board system of claim 37, wherein the insert is further configured to accommodate a single module with the second form

factor, said insert and said module with the second form factor forming a seal when said module with the second form factor is electrically coupled with a corresponding connector from the set of connectors.

41. **(Original)** The host board system of claim 37, wherein said rigid body is fastened to said host board.
42. **(Previously Presented)** A host board system comprising a host board, said host board including a set of connectors mounted on said host board and a set of slots defined in the host board; each slot from the set of slots located along an edge of the host board such that said each slot is open to said edge; the set of connectors positioned with respect to the set of slots such that each slot can separately accommodate a module with a first form factor engaging a corresponding connector from said set of connectors and a module with a second form factor engaging one or more corresponding connectors from said set of connectors; and the set of slots spaced such that each slot from the set of slots can simultaneously accommodate a module with the first form factor.
43. **(Original)** The host board system of claim 42, wherein the module with the second form factor electrically couples with a first connector from said one or more corresponding connectors.
44. **(Original)** The host board system of claim 43, wherein the module with the second form factor mechanically couples with a second connector from said one or more corresponding connectors.
45. **(Original)** The host board system of claim 42, wherein the module with the first form factor electrically couples with the connector.
46. **(Original)** The host board system of claim 42, wherein

the module with the first form factor comprises a single width transceiver.

47. **(Original)** The host board system of claim 42, wherein  
the module with the second form factor comprises a double width transceiver.

48. **(Original)** The host board system of claim 42, wherein  
each module includes a guide rail, said each slot from the set of slots being sized  
to accommodate the guide rail such that said guide rail is the portion of a module  
slidingly engaged with and in contact with a respective slot.

49. **(Original)** The host board system of claim 48, wherein  
said each slot includes a means for securing the guide rail included within said  
each slot.

50. **(Original)** The host board system of claim 42, further comprising  
a rigid body of uniform thickness, a surface of said rigid body abutting the edge of  
the host board; and  
the surface including an array of openings, each opening from the array of  
openings sized to accommodate one or more modules.

51. **(Original)** The host board system of claim 50, further comprising  
an insert configured to cover an opening from the array of openings, said insert  
forming a seal with said rigid body when said insert is inserted into said opening from the  
array of openings.

52. **(Original)** The host board system of claim 50, further comprising  
an insert configured to cover a portion of an opening from the array of openings,  
said insert forming a seal with said rigid body when said insert is inserted into said  
opening from the array of openings.

53. **(Original)** The host board system of claim 52, wherein

the insert is further configured to accommodate a single module with the first form factor, said insert and said module with the first form factor forming a seal when said module with the first form factor engage a corresponding connector from the set of connectors.

54. **(Original)** The host board system of claim 52, wherein  
the insert is further configured to accommodate two modules with the first form factor, said insert and said modules with the first form factor forming two seals when said modules with the first form factor engage corresponding connectors from the set of connectors.

55. **(Original)** The host board system of claim 52, wherein  
the insert is further configured to accommodate a single module with the second form factor, said insert and said module with the second form factor forming a seal when said module with the second form factor engage a corresponding connector from the set of connectors.

56. **(Original)** The host board system of claim 50, wherein  
said rigid body is fastened to said host board.

57. **(Original)** The host board system of claim 42, wherein  
the module with the second form factor occupies two slots from the set of slots while engaging one or more corresponding connectors from said set of connectors.

58. **(Canceled)**

59. **(Canceled)**

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83. **(Canceled)**

84. **(Canceled)**

85. **(Canceled)**

86. **(Canceled)**